

BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Alfani, Guido.

Un secolo di osservazioni meteoriche. Contributo allo studio della climatologia italiana. Firenze. 1920. 15.264 p. 31 cm.

Angström, Anders K.

Nocturnal radiation. (Excerpt from Pomona college. Astronomical society. Publication. Claremont, Calif., v. 5, no. 3, April, 1916. p. 78-86.)

Artola, Manuel R.

Cartilla meteorológica para el uso de los encargados de las estaciones meteorológicas de la república. Lima. 1905. 113 p. plates. map. 21½ cm.

Covert, Roy Norton.

Instructions for the installation and maintenance of Marvin water-stage registers, with specifications. Washington. 1921. 24 p. front. plates. diagrs. 23 cm. (U. S. Dept. of agriculture. Weather bureau. Instrument division. Circular J.)

Dietsch, Marie.

Investigations of the change of wind with elevation in cyclones. [Translation and review by W. W. Reel.] Ms. 1920. 54 p. 35 cm.

Dietzius, Robert.

Westwind in der Höhe bei südöstlichem Wind unten. n. d. 8 p. (Reprint Österreich. Aero-Clubs. Mitteil. Vienna.)

Granqvist, Gunnar.

Ström- och vindobservationer vid fyrskeppen 1914-1920. Helsingfors. 1921. 84 p. illus. 24½ cm. (Havsforskningsinstitutets skrift no. 10.)

Hennig, R.

Praktische Wetterregeln für jedermann. Für den Unterricht und Selbstunterricht im Wetterdienst. Leipzig. 1921. 7, 59 p. plates. 22½ cm.

Kiebel, Aurel.

Bewölkung, Nebel und Reif in Mies. Ein statistische Uebersicht (1901-1920). Mies. 1920. 8 p. 22½ cm. (Sonderabdruck aus der Festschrift zur Halbjahrhundertfeier des Staatsgymnasiums in Mies. 1920.)

Kuhlbrodt, Erich.

Klimatologie und Meteorologie von Mazedonien. Ein Beitrag zur Klimakunde der Balkanhalbinsel. (Unter Berücksichtigung der Windverhältnisse in der Höhe.) Hamburg. 1920. 61 p. 29 cm. (Archiv der deutschen Seewarte. 38. Jahrg. 1920. Nr. 5.)

Lyon, Lucius, comp.

Treatise on lightning conductors; compiled from a work on thunderstorms, by S. W. Harris, and other standard authors. New York. 1853. 16, 191 p. illus. 19 cm.

MacAlister, James.

"Ground ice" and water supplies. [Excerpt from Engineering. London. v. 103, no. 2680. May 11, 1917. p. 441.]

McLaughlin, Ruth.

Reports of the joint expedition of the Weather bureau and Smithsonian institution to California in 1913. [Excerpt from Pomona college. Astronomical society. Publication. Claremont, Calif. v. 4, no. 4. July, 1915. p. 143-145.]

Ohio. Agricultural experiment station.

Ohio weather for the year 1920. (Ohio agric. exper. sta. Wooster. June, 1921. Bulletin 352. p. 259-354.)

Pannell, J. R.

Measurement of fluid velocity and pressure. [Excerpt from Engineering, London. v. 107, Feb. 28-Mar. 28. 1919.]

Réthly, Antal.

Időjárás és éghajlat. [Weather and climate.] Budapest. 1921. 200 p. 21½ cm.

Rothé, E.

Notes sur les séismes en mer. p. 241-255. 28 cm. [Extr. Annales hydrographiques. 3e ser. T. 3. Années 1919-1920.]

Santo Domingo. Servicio meteorológico.

Informe anual, 1919/1920. [Excerpt, Santo Domingo, Secretaría de Estado de agricultura e inmigracion. Memoria, 1919/20.]

Zermelo, E.

Hydrodynamische Untersuchungen über die Wirbelbewegungen in einer Kugelfläche. Leipzig. 1902. p. 201-237. 24 cm. (Sonderabdruck aus Zeitschrift für Mathematik und Physik. 47. Bd., 1902. H. 1/2.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Annalen der Physik. Leipzig. Bd. 66. 30. Dec., 1921.

Everling, E., & A. Wigand. Spannungsgefälle und vertikaler Leitungsstrom in der freien Atmosphäre, nach Messungen bei Hochfahrten im Freiballon. p. 261-282.

Annales de géographie. Paris. 31 année. 15 janv., 1922.

Angot, Alfred. J. von Hann. (1839-1921.) p. 79-81. [Obituary.]

Annales de physique. Paris. t. 16. Nov.-déc., 1921.

Mathias, E. Le régime de la pluie dans le comté de Kent et la région française du Pas-de-Calais. p. 305-310.

Archives des sciences physiques et naturelles. Genève. v. 3. Nov.-déc., 1921.

Gautier, Raoul. 1921, une année météorologique exceptionnelle. p. 110-112.

Congreso internazionale di meteorologia. Venezia, 1920. Atti. Torino 1921.

Bjerknes, J. Sur le rôle des cyclones et des anticyclones dans la circulation générale de l'atmosphère. p. 81-88.

Crestani, Giuseppe. Nomenclatura e classificazione delli nubi. p. 127-136.

Exner, J. v. Azione della stratosfera sui cicloni e sugli anticicloni. p. 77-80.

Gamba, Pericle. Il meteorografo Gamba per palloni-sonda. p. 58-62.

Gamba, Pericle. Le osservazioni della nebbia ed il nefelemetro Gamba. p. 71-77.

Gamba, Pericle. Sulla presa di campioni di aria a grande altezza a mezzo di palloni-sonda. p. 44-47.

Passerni, Napoleone. Un dodicennio di osservazioni drosometriche. p. 112-126.

Valbusa, Ubaldo. L'aurora boreale osservata ad Aosta la sera del 22 marzo dell'anno 1920. p. 137-139.

Valbusa, Ubaldo. Meteorologia alpina e industria idroelettrica. p. 140-178.

Vercelli, Francesco. Sulla previsione del tempo. p. 89-112.

Electrical world, N. Y. v. 79. Feb. 25, 1922.

Lightning protection uppermost at A. I. E. E. midwinter convention. p. 376-380.

France. Académie des sciences. Comptes rendus. Paris. t. 173-4.

Hubert, Henry. Nouvelles recherches sur les grains orageux en Afrique occidentale. t. 173. p. 1477-1480. (27 déc., 1921.)

Boutaric, A. Sur le rayonnement diurne de l'atmosphère au mont Blanc. t. 174. p. 183-186. (16 janv., 1922.)

Besson, L., & H. Dutheil. Le déplacement des hausses et des baisses barométriques et la direction des cirrus. t. 174. p. 237-240. (23 janv., 1922.)

Dubois, M. G. Modifications apportées à la plage de Sangatte à la suite des tempêtes de décembre 1921. t. 174. p. 235-237. (23 janv., 1922.)

Boutaric, A. Observations relevées au mont Blanc. t. 174. p. 309-310. (30 janv., 1922.) [Abstract in later REVIEW.]

Gentil, Louis. Sur la climatologie du Maroc. t. 174. p. 311-313. (30 janv., 1922.)

Schereschewsky, Ph., & Ph. Wehrlé. La signification des cirrus dans la prévision du temps. t. 174. p. 314-316. (30 janv., 1922.)

Franklin institute. Journal. Philadelphia. v. 193. Feb., 1922.

Humphreys, W. J. Fogs and clouds. p. 217-230.

Imperial earthquake investigation committee. Seismological notes. Tokyo. No. 1. Nov., 1921.

Omori, F. Observation in Tokyo of the Kansu earthquake of Dec. 16, 1920. p. 4-9.

Omori, F. On the duration of the first preliminary tremor of the trans-Asiatic seismic propagation. p. 1-3.

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- Meteorologische Zeitschrift. Braunschweig. Bd. 38.*
Bemmelen, W. van. Die halbtägliche Windwelle in der freien Atmosphäre nach Pilotballonbeobachtungen in Java. p. 328-331. (Nov., 1921.)
Dorno, C. Zur Darstellung des Polarisationsgrades des Himmelschichtes. p. 338-341. (Nov., 1921.)
Exner, F. M. Julius von Hann. P. 321-327. (Nov., 1921.) [Obituary.]
Fischer, Karl. Die Grundgleichungen des Wasserhaushaltes der Flussgebiete. p. 331-336. (Nov., 1921.)
Gallenkamp, W. Über den Einfluss des Gefässrandes auf die Verdunstungsgeschwindigkeit. t. 341-342. (Nov., 1921.)
Ficker, Heinrich. Über den Druckeffekt stratosphärischer Kälteeinbrüche. p. 369-372. (Dez., 1921.)
Fischer, Karl. Zur Frage nach der Herkunft der Niederschläge, besonders Mitteleuropas. p. 366-368. (Dez., 1921.)
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Köppen, W. Der Tagesgang der Windgeschwindigkeit in der Zwischenschicht. (Mit 2 Figuren.) p. 353-358. (Dez., 1921.)
Mohorivich, S. Die zeieundeinhalb Jahrhundert lange Periode der Erdbeben- und Klimaschwankungen. p. 373-375. (Dez., 1921.)
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- Nature, London. v. 109. 1922.*
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Bonacina, L. C. W. The theory of the south-west monsoon. p. 109-112. (Jan. 26.)
Fleming, J. A. Some problems of long-distance radiotelegraphy. p. 140-143. (Feb. 2.); p. 179-182. (Feb. 9.) [Discusses electrical conditions of the upper atmosphere.]
Forecasting annual rainfalls. p. 139. (Feb. 2.)
- Nature. Paris. 50 année. 1922.*
Lévine, Joseph. La sécheresse en 1921. p. 20-22. (14 janv.)
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- Observatoire de Lyon. Bulletin. Lyon. 4 année. Fév., 1922.*
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Reger, Josef. Die Lindenerger Registrierballonaufsteige in den Jahren 1906 bis 1916. p. 41-49.
Robizsch, M. Beiträge zur Kenntnis der Struktur des Bodenswindes. p. 66-94.
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- Scientific monthly. New York. v. 14. Feb., 1922.*
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